PCI

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220		
BP/G-33314A/BCK	ACTION as		s well as, where applicable, item 5 below.		
International application No.	International filing date (day/monti	vyear)	(Earliest) Priority Date (day/month/year)		
PCT/EP2004/009067	12/08/2004		13/08/2003		
Applicant					
SANDOZ AG					
This International Search Report has bee according to Article 18. A copy is being to	en prepared by this International Sear ransmitted to the International Bureau	ching Auti	nority and is transmitted to the applicant		
This International Search Report consists	s of a total of she	ets.			
	a copy of each prior art document c		report.		
tanguage in which it was filed, un The international this Authority (Ru	less otherwise indicated under this it search was carried out on the basis lie 23.1(b)).	em. of a transla	sis of the international application in the ation of the international application furnished to in the international application, see Box No. 1.		
2. Certain claims were fou	ind unsearchable (See Box II).		· · · · · · · · · · · · · · · · · · ·		
3. Unity of invention is lac	bing (soo Poy III)				
o only of invention is lac	king (see Dox in).				
4. With regard to the title ,					
X the text is approved as su					
the text has been establis	shed by this Authority to read as follow	vs:			
5. With regard to the abstract,					
X the text is approved as su	bmitted by the applicant.				
the text has been establish	hed, according to Rule 38.2(b), by thi	s Authority	as it appears in Box No. IV. The applicant		
may, within one month fro	m the date of mailing of this internation	onal search	h report, submit comments to this Authority.		
6. With regard to the drawings,					
a. the figure of the drawings to be p	ublished with the abstract is Figure N	o			
as suggested by the					
as selected by this	Authority, because the applicant fail	ed to sugg	gest a figure.		
as selected by this	Authority, because this figure better	characteri	zes the invention.		
b. none of the figures is to be	published with the abstract.				

PCT/EP2004/00906/

Вох	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ntion, the international search was carried out on the basis of:
	a.	type of material X a sequence listing
		table(s) related to the sequence listing
	b.	format of material X in written format
		in written format in computer readable form
	c.	time of filling/furnishing
		contained in the international application as filed
		filed together with the international application in computer readable form In the furnished subsequently to this Authority for the purpose of search
2.	x	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addit	ional comments:
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/63 C12N15/21 C07K14/56				
According to	to International Patent Classification (IPC) or to both national classification	fication and IPC		
B. FIELDS	SEARCHED			
IPC 7	ocumentation searched (classification system followed by classifica C12N C07K			
	ation searched other than minimum documentation to the extent that			
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE, CHEM ABS Data, SCISEARCH, Sequence Search				
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.	
A Further		THETIC GENE OLI" O7-415, Abstract; column, and -/	1-41	
ســـــــــــــــــــــــــــــــــــــ	ner documents are listed in the continuation of box C.	Patent family members are listed in	nannex.	
"A" document consider "E" earlier do filing dat "L" document which is citation of document other me "P" document later than	document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "It later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8* document member of the same patent family Date of mailing of the international search report			
18	3 February 2005	04/03/2005		
Name and ma	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer BULCAO DE MELO BARRE		

3

Category °	oation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Osalion of accument, with indication, where appropriate, of the relevant passages	neevalli to ciaim No.
A	WEICKERT M J ET AL: "OPTIMIZATION OF HETEROLOGOUS PROTEIN PRODUCTION IN ESCHERICHIA COLI" CURRENT OPINION IN BIOTECHNOLOGY, LONDON, GB, vol. 7, no. 5, 1996, pages 494-499, XP000995157 ISSN: 0958-1669 *Whole document, in particular: Abstract and table 1*	1-41
A	HUMPHREYS D P ET AL: "High-Level Periplasmic Expression in Escherichia coli Using a Eukaryotic Signal Peptide: Importance of Codon Usage at the 5' End of the Coding Sequence" PROTEIN EXPRESSION AND PURIFICATION, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 20, no. 2, November 2000 (2000-11), pages 252-264, XP004435483 ISSN: 1046-5928 *whole document, in particular: Abstract, table 1 and figure 1*	1-41
1	MATSUDA A ET AL: "MOLECULAR CLONING AND STRUCTURE OF THE GENE FOR 7-BETA-4 CARBOXYBUTANAMIDOCEPHALOSPORANIC-ACID ACYLASE FROM A PSEUDOMONAS STRAIN" JOURNAL OF BACTERIOLOGY, vol. 163, no. 3, 1985, pages 1222-1228, XP002316191 ISSN: 0021-9193 *Whole document, in particular: Abstract and figure 5*	1-41
	US 5 710 027 A (HAUPTMANN ET AL) 20 January 1998 (1998-01-20) *whole document, in particular: Abstract and claims*	1-41

3

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